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MINT, MEASURE AND WEIGHT TABLES

WITH THE RELATION OF THE PRESENT MEASURE TO THE METRIC MEASURE AND WEIGHT.

FOR GENERAL USE.

PREPARED BY

E. G. MOEHL,

Author of "E. G. Moehl's Ready Reckoner".

Münz-, Maß- und Gewichts-Tabellen,

nebst Verhältniß-Angaben der jetzigen Maße zum metrischen Maß und Gewicht.

Zum allgemeinen Gebrauch.

Bearbeitet von

E. G. MOEHL,

Verfasser von „E. G. Moehl's Ready Reckoner."

PREFACE.

As the introduction of the Measures and Weights in the Metric System is imminent, it is necessary for every one to become familiar with the relation of the old to the new measure in time, and the author, who is sufficiently known through the publication of his **"READY RECKONER"**, has tried to complete his task in a **summary, intelligible and correct way** in this little book.

Vorwort.

Da die Einführung der Maße und Gewichte nach dem metrischen Systeme bevorsteht, ist es für Jedermann nöthig, sich zeitig mit dem Verhältnisse des alten zum neuen Maße vertraut zu machen, und hat sich der Verfasser, welcher durch Herausgabe seines **„Ready Reckoner"** hinlänglich bekannt ist, bemüht, diese Aufgabe in **übersichtlicher, leichtverständlicher und korrekter Weise**, in diesem kleinen Buche zu lösen.

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* DIVISION OF THE METRIC MEASURES AND WEIGHTS.

* Eintheilung der metrischen Maße und Gewichte.

1. Measure of Length.—Längenmaß.

The unit is the meter.—Die Einheit bildet das Meter oder der Stab.

A.

Kilometer. Kilometer. Km.		Hektometer. Hektometer. Hm.		Dekameter. Dekameter (Kette). Dm.		Meter. Meter (Stab). M.
1	=	10	=	100	=	1000
		1	=	10	=	100
				1	=	10

B.

Meter. Meter (Stab). M.		Decimeter. Decimeter. dm.		Centimeter. Centimeter (Neuzoll). cm.		Millimeter. Millimeter. mm.
1	=	10	=	100	=	1000
		1	=	10	=	100
				1	=	10

1 Mile = 750 Dekameter = 7500 Meter.
1 Meile = 750 Dekameter (Kette) = 7500 Meter (Stab).

2. Measure of Surfaces.—Flächenmaße.

The unit is the square meter.—Die Einheit bildet das Quadratmeter oder der Quadratstab.

□ Km.		□ Hm.		□ Dm.		□ M.		□ dm.		□ cm.		□ mm.
1	=	100	=	1000	=	100000						
		1	=	100	=	10000						
				1	=	100						
						1	=	100	=	10000	=	1000000
								1	=	100	=	10000
										1	=	100

3. Measure of Volume.—Körpermaße.

The cubic meter is the basis. Die Grundlage bildet das Kubikmeter oder der Kubikstab.—The unit is one cubic decimeter and is called Liter. Die Einheit ist ein Kubik-Decimeter und heißt das Liter oder die Kanne.

Cubic Dekameter. Kubikdekameter. Cu. Dm. Kb. Dm.		Cubic Meter. Kubikmeter. Cu. m. Kbm.		cu. dm. Kb. dm.		cu. cm. Kb. cm.		cu. mm. Kb. mm.
1	=	1000	=	1000000				
		1	=	1000	=	1000000	=	1000000000
				1	=	1000	=	1000000
						1	=	1000

* According to the law of the German Empire, 1871.
* Nach dem Gesetz des Deutschen Reiches, 1871.

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4. Measure of Capacity.—Hohlmaße.

Kiloliter. Kiloliter.		Hektoliter. Hektoliter (Faß).		Dekaliter. Dekaliter.		Liter. Liter (Kanne).		Pint. Schoppen.
1.	=	10	=	100	=	1000	=	2000
		1	=	10	=	100	=	200
				1	=	10	=	20
						1	=	2

Hektoliter. Hektoliter (Faß).		Neuscheffel.		Liter. Liter (Kanne).		Pint. Schoppen.
1	=	2	=	100	=	200
		1	=	50	=	100
				1	=	2

5. Weights.—Gewichte.

The unit of weight is the Kilogram = two pounds. It is the weight of a Liter of pure water at a temperature of 4° C. — Die Einheit des Gewichtes bildet das Kilogramm = zwei Pfund. Es ist das Gewicht eines Liters distillirten Wasser bei 4° C.

A.

Ton. Tonne. T. T.		Hundredweight. Centner. cwt. Ctr.		Kilogram. Kilogramm. Kg. Klgr.		Pound. Pfund. lb. Pf.		Dekagram. Dekagramm. Dg. Dgr. (Neuloth)		Gram. Gramm. g. Gr.
1	=	20	=	1000	=	2000	=	100000	=	1000000
		1	=	50	=	100	=	5000	=	50000
				1	=	2	=	100	=	1000
						1	=	50	=	500
								1	=	10

B.

Gram. Gramm. g. gr.		Decigram. Decigramm. dg. dgr.		Centigram. Centigramm. cg. cgr.		Milligram. Milligramm. mg. mgr.
1	=	10	=	100	=	1000
		1	=	10	=	100
				1	=	10

6. Zählmaße.

1 Ballen = 10 Ries; 1 Ries = 10 Buch; 1 Buch = 24 Schreib- = 25 Bogen Druckpapier.

1 Schock = 4 Mandel; 1 Mandel = 15 Stück.

1 Schock = 60 Stück (Ellen, Garben); 1 Steige = 15 Stück.

1 Dutzend = 12 Stück.

1 Zimmer (Felle) = 4 Decher oder 40 Stück; 1 Decher = 10 Stück.

Tables of Comparison.—Vergleichungstabellen.

United States measures and weights in the metric measures and weights.

Vereinigte Staaten Maße und Gewichte in das metrische Maß und Gewicht.

A. Measure of Length—Längenmaß.

1 Yard = 0.914398 m. = 1 Yard.

1 Foot = 30.47973 cm. = 1 Fuß.

1 Inch = 2.53998 cm. = 1 Zoll.

1 Fathom = 1.8288 m. = 1 Faden (2 Yards).

1 Cable = 240 Yards = 192.45 m. = 1 Kabellänge (240 Yards).

1 Chain = 22 Yards = 20.12 m. = 1 Kette (22 Yds).

1 Mile = 1609 m. = 1 Meile.

1 Furlong (⅛ mile) = 201.2 m. = 1 Fürlong.

1 Pole, perch or rod, 5.5 yds., = 5.029 m.
1 Ruthe, 5.5 Yards = 5.029 m.

1 Meter = 1.09363 yds. = 1 Meter.

1 Meter = 3.2809 Feet, Fuß, = 1 Meter.

B. Measure of Surface—Flächenmaß.

1 Sq. Yard = 0.836112 sq. m. qm. = 1 q. Yard.

1 Sq. Foot = 0.09290137 sq. m. qm. = 1 q. Fuß.

1 Sq. Inch = 6.451485 sq. cm. qcm. = 1 q. Zoll.

1 Sq. Line = 6.451485 sq. mm. qmm. = 1 q. Linie.

1 Sq. Acre = 4840 sq. yds. = 40.467838 Are.
1 q. Acre = 4840 q. Yds. = 40.467838 Are.

1 Sq. Meter = 10.7643 sq. ft. q. Fuß = 1 q. Meter.

100 Are = 2.47114 Acres = 100 Are.

C. Measure of Volume—Körpermaß.

1 Cu. Foot = 0.028316084 cu. m. Kbm. = 1 Kbfß.

1 Cu. Inch = 16.386623 cu. cm. Kbcm. = 1 Kbzl.

1 Cu. Line = 16.386623 cu. mm. Kbmm. = 1 Kbl.

1 Cu. Meter = 35.3166 cu. ft. Kbfß. = 1 Kbm.

D. Measure of Capacity—Hohlmaß.

1 Barrel = 36 Gallon = 163.6 l.

1 Barrel = 196 lbs. (Pfd) = 88 q. Kg. (Kgr).
By fish = 90 Kg. Bei Fischen 90 Kgr.

Rosin = 127 Kg. Harz 127 Kgr.

1 Bushel = 35.2381 Liter.

1 Gallon (Wine, Wein) = 3.78531 Liter.

1 Gallon (⅛ Bushel) 4.405 Liter.

1 Pint (⅛ Gallon) 0.473 Liter.

E. Weights—Gewichte.

1 Hundredweight = 112 lbs. = 45.359265 Kg
1 Centner = 112 Pfd. = 45.359265 Kgr.

1 Quarter (¼ cwt.) = 12.7005 Kg.
1 Quarter (¼ Centner) = 12.7005 Kgr.

1 Ton (long) 2240 lbs. = 10160.4754 Kg.
1 Tonne (große) 2240 Pfd. = 10160.4754 Kgr.

1 Ton (short) 2000 lbs. = 907.1853 Kg.
1 Tonne (kurze) 2000 Pfd. = 907.1853 Kgr.

1 Pound (avoirdupois) = 453.59265 Kg.
1 Pfund (avoirdupois) = 453.59265 Kgr.

1 Ounce (avoirdupois) = 284.3954 gr.
1 Unze (avoirdupois) = 284.3954 gr.

1 Grain (troy) Gold, Gold, Silver, Silber, Mint and Apothecaries weight, Münz und Apotheker-Gewicht, = 0.06479895 gr.

1 Pound (troy) Gold, Silver, etc. = 373.24195 gr.

1 Ounce Unze (troy) = 480 grains. Gold, Silver, etc. = 31.103496 gr.

1 Kilogram = 2.20463 lbs. avdp.
1 Kilogramm = 2.20463 Pfd. avdp.

1 Kilogram = 2.67924 lbs. troy.
1 Kilogramm = 2,67924 Pfd. troy.

Table of Comparison in Measure of Length, Foot to Meter.

Vergleichungs-Tabelle im Längenmaß, der Fuß zum Meter.

United States Line / Ver. Staaten Linie 1 = 2.539954 mm.

Inches / Zoll 1 = 2.539954 cm.

Feet / Fuß 1 = 30.47973 cm., in General / im Allgemeinen 30.48 cm.

Yard Yard	Line Linie	m	cm	mm.	Yard Yard	Foot Fuß	m	cm	mm.	Yard Yard	Foot Fuß	m	cm	mm
	1			2.539977	7	21	6	40	0.7433		61	18	59	2.6353
	2			5.079954		22	6	70	5.5406		62	18	89	7.4326
	3			7.619931		23	7	01	0.3379	21	63	19	20	2.2299
	4		1	0.159908	8	24	7	31	5.1352		64	19	50	7.0272
	5		1	2.699885		25	7	61	9.9325		65	19	81	1.8245
	6		1	5.239862		26	7	92	4.7298	22	66	20	11	6.6218
	7		1	7.779839	9	27	8	22	9.5271		67	20	42	1.4191
	8		2	0.319816		28	8	53	4.3244		68	20	72	6.2164
	9		2	2.859793		29	8	83	9.1217	23	69	21	03	1.0137
	Inch 1		2	5.39977	10	30	9	14	3 9190	23.33	70	21	33	5.8110
	2		5	0.79954		31	9	44	8.7163	26.67	80	24	38	3.784
	3		7	6.19931		32	9	75	3.5136	30	90	27	43	1.757
	4		10	1.59908	11	33	10	05	8.3109	33.33	100	30	47	9.73
	5		12	6.99885		34	10	36	3.1082	66.67	200	60	95	9.46
	6		15	2.39862		35	10	66	7.9055	100	300	91	43	9.19
	7		17	7.79839	12	36	10	97	2.7028	133.33	400	121	91	8.92
	8		20	3.19816		37	11	27	7.5001	166.67	500	152	39	8.65
	9		22	8.59793		38	11	58	2.2974	200	600	182	87	8.38
	10		25	3.99770	13	39	11	88	7.0947	233.33	700	213	35	8.11
	11		27	9.39747		40	12	19	1.8920	266.67	800	243	83	7.84
	Foot 1		30	4.7973		41	12	49	6.6893	300	900	274	31	7.57
	2		60	9.5946	14	42	12	80	1.4866	333.33	1000	304	79	7.3
1	3		91	4.3919		43	13	10	6.2839	366.67	2000	609	59	4.6
	4	1	21	9.1892		44	13	41	1.0812	1000	3000	914	39	1.9
	5	1	52	3.9865	15	45	13	71	5.8785	1333.33	4000	1219	18	9.2
2	6	1	82	8.7838		46	14	02	0.6758	1666.67	5000	1523	98	6.5
	7	2	13	3.5811		47	14	32	5.4731	2000	6000	1828	78	3.8
	8	2	43	8.3784	16	48	14	63	0.2704	2333.33	7000	2133	58	1.1
3	9	2	74	3.1757		49	14	93	5.0677	2666.67	8000	2438	37	8.4
	10	3	04	7.9730		50	15	23	9.8650	3000	9000	2743	17	5.6
	11	3	35	2.7703	17	51	15	54	4.6623	3333.33	10000	3047	97	3.0
4	12	3	65	7.5676		52	15	84	9.4596	6666.67	20000	6095	94	6.0
	13	3	96	2.3649		53	16	15	4.2569	10000	30000	9143	91	9.0
	14	4	26	7.1622	18	54	16	45	9.0542	13333.33	40000	12191	89	2.0
5	15	4	57	1.9595		55	16	76	3.8515	16666.67	50000	15239	86	5.0
	16	4	87	6.7568		56	17	06	8.6488	20000	60000	18287	83	8.0
	17	5	18	1.5541	19	57	17	37	3.4461	23333.33	70000	21335	81	1.0
6	18	5	48	6.3514		58	17	67	8.2434	26666.67	80000	24383	78	4.0
	19	5	79	1.1487		59	17	98	3.0407	30000	90000	27431	75	7.0
	20	6	09	5.9460	20	60	18	28	7.8380	33333.33	100000	30479	73	0

TABLE OF COMPARISON, LITER TO GALLON.

Vergleichungs-Tabelle, das Liter zu der Gallon.

0,5 Liter / Liter = 1 Pint / Schoppen = 0.1320765 Gallon. / Gallon.

1 Liter / Liter = 2 Pints / Schoppen = 0.2644 Gallon (Wine Gallon). / Gallon (Wein-Gallon.)

Liter / Liter	Gallon / Gallon	Liter / Liter	Gallon / Gallon	Liter / Liter	Gallon / Gallon	Liter / Liter	Gallon / Gallon
0.5	0.1320765	36	9.509508	72	19.019016	900	237.7377
1	0.264153	37	9.773661	73	19.283169	1000	264.1530
2	0.528306	38	10.937814	74	19.547322	2000	528.306
3	0.792459	39	10.301967	75	19.811475	3000	792.459
4	1.056612	40	10.566120	76	20.075628	4000	1056.612
5	1 320765	41	10.830273	77	20.339781	5000	1320.765
6	1.584918	42	11.094426	78	20.603934	6000	1584.918
7	1.849071	43	11.358579	79	20.868087	7000	1849.071
8	2.113224	44	11.622732	80	21.132240	8000	2113.224
9	2.377377	45	11.886885	81	21.396393	9000	2377.377
10	2.641530	46	12.151038	82	21.660546	10000	2641.530
11	2.905683	47	12.415191	83	21.924699	20000	5283.06
12	3.169836	48	12.679344	84	21.188852	30000	7924.59
13	3.433989	49	12.943497	85	22.453005	40000	10566.12
14	3.698142	50	13.207650	86	22.717158	50000	13207.65
15	3.962295	51	13.471803	87	22.981311	60000	15849.18
16	4.226448	52	13.735956	88	23.245464	70000	18490.71
17	4.490602	53	14.000109	89	23.509617	80000	21132.24
18	4.754754	54	14.264262	90	23.773770	90000	23773.77
19	5 018907	55	14.528415	91	24.037923	100000	26415.30
20	5.283060	56	14.792568	92	24.302076	200000	52830.60
21	5.547213	57	15.056721	93	24.566229	300000	79245.90
22	5.811366	58	15.320874	94	24.830382	400000	105661.20
23	6.075519	59	15.585027	95	25.094534	500000	132076.50
24	6.349672	60	15.849180	96	25.358688	600000	158491.80
25	6.603825	61	16.113333	97	25.622841	700000	184907.10
26	6.867978	62	16.377486	98	25.886994	800000	211322.40
27	7.132131	63	16.641639	99	26.151147	900000	237737.70
28	7.396284	64	16.905792	100	26.4153	1000000	264153.0
29	7.660437	65	17.169945	200	52.8306	2000000	528306.0
30	7.924590	66	17.434098	300	79.2459	3000000	792459.0
31	8.188743	67	17.698251	400	105.6612	4000000	1056612.0
32	8.452896	68	17.962404	500	132.0765	5000000	1320765.0
33	8.717049	69	18.226557	600	158.4918	6000000	1584918.0
34	8.981202	70	18.490710	700	184.9071	7000000	1849071.0
35	9.245355	71	18.754863	800	211.3224	8000000	2113224.0

TABLE OF COMPARISON, GALLON TO LITER.

Vergleichungs-Tabelle der Gallon zum Liter.

1 Gill = 0.1182909375 Liter—Liter.

1 Pint = 0.47316375 Liter—Liter.

1 Quart = 0.9463275 Liter—Liter.

1 Gallon = 3.78531 Liter—Liter (Wine Gallon—Wein-Gallon).

Gallon Gallon	Liter Liter	Gallon Gallon	Liter Liter	Gallon Gallon	Liter Liter	Gallon Gallon	Liter Liter
Gill 1	0.1182909375	31	117.34461	68	257.40108	600	2271.186
2	0.236581875	32	121.12992	69	261.18639	700	2649.717
3	0.3548728125	33	124.91523	70	264.97170	800	3028.248
Pint 1	0.47316375	34	128.70054	71	268.75701	900	3406.779
Quart 1	0.9463275	35	132.48585	72	272.54232	1000	3785.31
2	1.892655	36	136.27116	73	276.32763	2000	7570.62
3	2.8389825	37	140.05647	74	280.11294	3000	11355.93
Gallon 1	3.78531	38	143.84178	75	283.89825	4000	15141.24
2	7.57062	39	147.62709	76	287.68356	5000	18926.55
3	11.35593	40	151.4124	77	291.46887	6000	22711.86
4	15.14124	41	155.19771	78	295.25418	7000	26497.17
5	18.92655	42	158.98302	79	299.03949	8000	30282.48
6	22.71186	43	162.76833	80	302.82480	9000	34067.79
7	26.49717	44	166.55364	81	306.61011	10000	37853.10
8	30.28248	45	170.33895	82	310.39542	20000	75706.20
9	34.06779	46	174.12426	83	314.18073	30000	113559.30
10	37.8531	47	177.90957	84	317.96604	40000	151412.40
11	41.63841	48	181.69488	85	321.75135	50000	189265.50
12	42.42372	49	185.48019	86	325.53666	60000	227118.60
13	49.20903	50	189.26550	87	329.32197	70000	264971.70
14	52.99434	51	193.05081	88	333.10728	80000	302824 80
15	56.77965	52	196.83612	89	336.89259	90000	340677.90
16	60.56496	53	200.62143	90	340.67790	100000	378531.0
17	64.35027	54	204.40674	91	344.46321	200000	757062.0
18	68.13558	55	208.19205	92	348.24852	300000	1135593.0
19	71.92089	56	211.97736	93	352.03382	400000	1514124.0
20	75.7062	57	215.76267	94	355.81914	500000	1892655.0
21	79.49151	58	219.54798	95	359.60445	600000	2271186.0
22	83.27682	59	223.33329	96	363.38976	700000	2649717.0
23	87.06213	60	227.11860	97	367.17507	800000	3028248.0
24	90.84744	61	230.90391	98	370.96038	900000	3306779.0
25	94.63275	62	234.68922	99	374.74569	1000000	3785310.0
26	98.41806	63	238.47453	100	378.531	2000000	7570620 0
27	102.20337	64	242.25984	200	757.062	3000000	11355930.0
28	105.98868	65	246.04515	300	1135.593	4000000	15141240.0
29	109.77399	66	249.83046	400	1514.124	5000000	18926550.0
30	113.5593	67	253.61577	500	1892.655	6000000	22711860.0

Table of Comparrison. Bu. to Hl.

Vergleichungstabelle: Bushel zum Hkl.

1 gallon = 4.405 l.
1 peck = 8.810 l. @ 2 gallon.
1 bu. = 35.2381 l. @ 4 pk.—In general, im Allgemeinen, 35.24 l.

Table of Comparrison. Hl. to Bu.

Vergleichungstabelle. Hkl. zum Bushel.

1 Hl. = 2.839 bushel.

Gal.	Hl.	Liter	Gal.	Hl.	Lit'r	Gal.	Hl.	Lit'r	Hl.	Bush'l	Hl.	Bush'l	Hl.	Bushel
Gal. 1		4.405	37	13	3.88	80	28	19 2	1	2.839	44	124.916	87	246.993
Pk. 1		8.81	38	13	39.12	81	28	54.44	2	5.678	45	127.755	88	249.832
Gal. 3		13.215	39	13	74 36	82	28	89.68	3	8.517	46	130 594	89	252.671
Pk. 2		17.62	40	14	9.6	83	29	24.92	4	11.356	47	133.433	90	255.51
Gal. 5		22.025	41	14	44.84	84	29	60.16	5	14.195	48	136.272	91	258.349
Pk. 3		26.43	42	14	80.08	85	29	95.4	6	17.034	49	139.111	92	261.188
Gal. 7		30.835	43	15	15.32	86	30	30.64	7	19.873	50	141.95	93	264.027
Bu. 1		35.24	44	15	50 56	87	30	65.88	8	22.712	51	144.789	94	266.866
2		70 48	45	15	85.80	88	31	1.12	9	25.551	52	147.628	95	269.705
3	1	5.72	46	16	21 04	89	31	36.36	10	28.39	53	150.467	96	272.544
4	1	40.96	47	16	56.28	90	31	71.6	11	31.229	54	153.306	97	275.383
5	1	76.2	48	16	91.52	91	32	6.84	12	34.068	55	156.145	98	278.222
6	2	11.44	49	17	26.76	92	32	42.08	13	36.907	56	158.984	99	281.061
7	2	46.68	50	17	62.	93	32	77.32	14	39.746	57	161.823	100	283.9
8	2	81.92	51	17	97.24	94	33	12.56	15	42.585	58	164.662	200	567.8
9	3	17.16	52	18	32.48	95	33	47.8	16	45.424	59	167.501	300	851.7
10	3	52.04	53	18	67 72	96	33	83.04	17	48.263	60	170.34	400	1135 6
11	3	87.64	54	19	2.96	97	34	18.28	18	51.102	61	173.179	500	1419.5
12	4	22.88	55	10	38.2	98	34	53.52	19	53.941	62	176.018	600	1703.4
13	4	58.12	56	19	73.44	99	34	88.76	20	56.78	63	178.857	700	1987.3
14	4	93.36	57	20	8.68	100	35	24.	21	59.619	64	181.696	800	2271.2
15	5	28.6	58	20	43.92	200	70	48.	22	62.458	65	184.535	900	2555.1
16	5	63.84	59	20	79.16	300	105	72.	23	65.297	66	187.374	1000	2839.
17	5	99.08	60	21	14.4	400	140	96.	24	68.136	67	190.213	2000	5678.
18	6	34.32	61	21	49.64	500	176	20.	25	70.975	68	193.052	3000	8517.
19	6	69.56	62	21	84.88	600	211	44.	26	73.814	69	195.891	4000	11356.
20	7	4.8	63	22	20.12	700	246	68.	27	76.653	70	198.73	5000	14195.
21	7	40.04	64	22	55.36	800	281	92.	28	79.492	71	201.569	6000	17034.
22	7	75.28	65	22	90.6	900	317	16.	29	82.331	72	204.408	7000	19813.
23	8	10.52	66	23	25.84	1000	352	40.	30	85.17	73	207.247	8000	22712.
24	8	45.76	67	23	61.08	2000	704	80.	31	88.009	74	210.086	9000	25551.
25	8	81.	68	23	96.32	3000	1057	20.	32	90.848	75	212.925	10000	28390.
26	9	16.24	69	24	31.56	4000	1409	60.	33	93.687	76	215.764	20000	56780.
27	9	51.48	70	24	66.8	5000	1762	00.	34	96.526	77	218.603	30000	85170.
28	9	86.72	71	25	2.04	6000	2114	40.	35	99.365	78	221.442	40000	113560.
29	10	21 96	72	25	37.28	7000	2466	80.	36	102.204	79	224.281	50000	141950.
30	10	57.2	73	25	72.52	8000	2819	20.	37	105.043	80	227.120	60000	170340.
31	10	92.44	74	26	7.76	9000	4171	60.	38	107.882	81	229.959	70000	198730.
32	11	27.68	75	26	43.	10000	3524	00.	39	110.721	82	232.798	80000	227120.
33	11	62.92	76	26	78.24	20000	7048	00.	40	113.56	83	235.637	90000	255510.
35	11	98.16	77	27	13.48	30000	10572	00.	41	116.399	84	248.476	100000	283900.
35	12	33.4	78	27	48.72	40000	14096	00.	42	119.238	85	241.215	200000	567800.
36	12	68.64	79	27	83.96	50000	17620	00.	43	122.077	86	244.154	300000	851700.

In the American grain trade, especially in the quotations of New York and Chicago, the bushel has a fixed quantity of weight for the various hinds of grain: Wheat, 60 lbs. = 27.216 kg.; rye and corn, 56 lbs. = 25.402 kg.; oats, 32 lbs. = 14.575 kg., and barley, 48 lbs. = 21 773 kg. — Im amerikanischen Getreidehandel, speciell in den Notirungen von New York und Chicago, bedeutet der Bushel für die verschiedenen Getreidearten ein feststehendes Gewichtsquantum: Weizen, 60 Pfund = 27.216 Klgr., u. s. w.

TABLE OF COMPARISON. * Lb. to Kg.
Vergleichungs-Tabelle. * Pf. zum Kg.

1 oz. = 28.43954 g.
1 lb. @ 16 oz. = 453.59265; In general, im Allgemeinen = 453.6 g.

Oz	Kg	Gramm	Lbs	Kg	Gramm	Lbs.	Kg.	Gramm
1		28.34954	31	14	061.37215	76	34	473.0414
2		56.69908	32	14	514.9648	77	34	926.63405
3		85.04862	33	14	968.55745	78	35	380.2267
4		113.39816	34	15	422.1501	79	35	835.81935
5		141.7477	35	15	875.74275	80	36	287.412
6		170.09724	36	16	329.3354	81	36	741.00465
7		198 44678	37	16	782.92805	82	37	194.5973
8		226 79632	38	17	236.5207	83	37	648.18995
9		255.14586	39	17	690.11335	84	38	101.7826
10		283 4954	40	18	143.706	85	38	555.37525
11		311.84494	41	18	597.29865	86	39	008.9679
12		340.19448	42	19	050.8913	87	39	462.66055
13		368.54402	43	19	504.48395	88	39	916.1532
14		396.89356	44	19	958.0766	89	40	369.74585
15		425.2431	45	20	411.66925	90	40	823.3385
Lbs								
1		453.59265	46	20	865.2619	91	41	276.93115
2		907.1853	47	21	318.85455	92	41	730.5238
3	1	360.77795	48	21	772.4472	93	42	184.11645
4	1	814.3706	49	22	226.03985	94	42	637.7091
5	2	267.96325	50	22	679.6325	95	43	091.30175
6	2	721.5559	51	23	133.22515	96	43	544.8944
7	3	175.14855	52	23	586.8178	97	43	998.48705
8	3	628.7412	53	24	040.41045	98	44	452.0797
9	4	082.33385	54	24	494.0031	99	44	905.67235
10	4	535.9265	55	24	947.59575	100	45	359.265
11	4	989.51915	56	25	401.1884	200	90	718.53
12	5	443.1118	57	25	854.78105	300	136	077.795
13	5	896.70445	58	26	308.3737	400	181	437.06
14	6	350.2971	59	26	761.96635	500	226	796.325
15	6	803.88975	60	27	215.559	600	272	155.59
16	7	257.4824	61	27	669.15165	700	317	514.855
17	7	711.07505	62	28	122.7443	800	362	874.12
18	8	164.6677	63	28	576.33695	900	408	233.385
19	8	618.26035	64	29	029.9296	1000	453	592.65
20	9	071.853	65	29	483.52225	2000	907	185.3
21	9	525.44565	66	29	937.1149	3000	1360	777.95
22	9	979.0383	67	30	390.70755	4000	1814	370.6
23	10	432.63095	68	30	844.3002	5000	2267	963.25
24	10	886.2236	69	31	297.89285	6000	2721	555.9
25	11	339.81625	70	31	751.4855	7000	3175	148.55
26	11	793.4089	71	32	205.07815	8000	3628	741.2
27	12	247.00155	72	32	658.6708	9000	4082	333.85
28	12	700 5942	73	33	112.26345	10000	4535	926.5
29	13	154.18685	74	33	565.8561	20000	9071	853
30	13	607.7795	75	34	019.44875	30000	13607	779.5

* Avoirdupois.

TABLE OF COMPARISON. Kg. to Lb. *
Vergleichungs-Tabelle. Kg. zum Pf. *

1 Kg. = 2.20463 lbs. @ 16 oz.

Kg	Pounds	Kg	Pounds	Kg.	Pounds
1	2.20463	46	101.41298	91	200.62133
2	4.40926	47	103.61761	92	202.82596
3	6.61389	48	105.82224	93	205.03059
4	8.81852	49	108.02687	94	207.23522
5	11.02315	50	110.2315	95	209.43985
6	13.22778	51	112.43613	96	211.64448
7	15.43241	52	114.64076	97	213.84911
8	17.63704	53	116.84539	98	216.05374
9	19.84167	54	119.05002	99	218.25837
10	22.0463	55	121.25465	100	220.463
11	24.25093	56	123.45928	200	440.926
12	26.45556	57	125.66391	300	661.389
13	28.66019	58	127.86854	400	881.852
14	30.86482	59	130.07317	500	1102.315
15	33.06945	60	132.27780	600	1322.778
16	35.27408	61	134.48243	700	1543.241
17	37.47871	62	136.68706	800	1763.704
18	39.68334	63	138.89169	900	1984.167
19	41.88797	64	141 09632	1000	2104.63
20	44.0926	65	143.30095	2000	4409.26
21	46 29723	66	145.50558	3000	6613.89
22	48.50186	67	147.71021	4000	8818 52
23	50.70649	68	149.91484	5000	11023.15
24	52.91112	69	152.11947	6000	13227.78
25	55.11575	70	154.3241	7000	15432.41
26	57.32038	71	156.52873	8000	17637.04
27	59.52501	72	158 73336	9000	19841.67
28	61.72964	73	160.93799	10000	22046.3
29	63.93427	74	163.14262	20000	44092.6
30	66.1389	75	165.34725	30000	66138.9
31	68.34353	76	167.55188	40000	88185.2
32	70.54816	77	169.75651	50000	110231.5
33	72.75279	78	172.96114	60000	132277.8
34	74.95742	79	174.16577	70000	154324.1
35	77.16205	80	176.3704	80000	176370.4
36	79.36668	81	178.57503	90000	198416.7
37	81.57131	82	180.77966	100000	220463
38	83.77594	83	182.98429	200000	440926
39	85.98057	84	185.18892	300000	661389
40	88.1852	85	187.39355	400000	881852
41	90.38983	86	189.59818	500000	1102315
42	92.59446	87	191.80281	600000	1322778
43	94.79909	88	194.00744	700000	1543241
44	97.00372	89	196.21207	800000	1763704
45	99.20835	90	198.4167	900000	1984167

* Avoirdupois.

TABLE OF COMPARISON. * Lb. to Kg.
Vergleichungs-Tabelle. * Pf. zum Kg.

1 Oz. = 31.103486 g. 1 lb. @ 12 oz. = 373.24105 g.

Oz.	Kg	Gramm	Lbs	Kg	Gramm	Lbs.	Kg.	Gramm
1		31.103496	35	13	063.46825	80	29	859.356
2		62 206992	36	13	436.7102	81	30	232.59795
3		93.310488	37	13	809.95215	82	30	605.8399
4		124.413984	38	14	183.1941	83	30	979.08185
5		155.51748	39	14	556.43605	84	31	352.3238
6		186.620976	40	14	929.678	85	31	725.56585
7		217.724472	41	15	302.91995	86	32	098.8078
8		248.827968	42	15	676.1619	87	32	472.04975
9		279.931464	43	16	049.40385	88	32	845.2917
10		311.03496	44	16	422.6458	89	33	218.53365
11		342.138456	45	16	795.88775	90	33	591.7756
Lbs								
1		373.24195	46	17	169.1297	91	33	965.01755
2		746.4839	47	17	542.37165	92	34	338.2595
3	1	119.72585	48	17	915.6136	93	34	711.50145
4	1	492.9678	49	18	288.85555	94	35	084.7434
5	1	866.20975	50	18	662.0975	95	35	457.98535
6	2	239.4517	51	19	035 33945	96	35	831.2273
7	2	612.69365	52	19	408.5814	97	36	204.56925
8	2	985.9356	53	19	781.82335	98	36	577.7112
9	3	359.17755	54	20	155.0653	99	36	950.95315
10	3	732.4195	55	20	528.30725	100	37	324.195
11	4	105.66145	56	20	901.5492	200	74	648.39
12	4	478.9034	57	21	274.79115	300	111	972.585
13	4	852.14535	58	21	648.0331	400	149	296.78
14	5	225.3873	59	22	021.27505	500	186	620.975
15	5	598.62925	60	22	394.517	600	223	945.17
16	5	971.8712	61	22	767.75895	700	261	269.365
17	6	345.11315	62	23	141.0009	800	298	593.56
18	6	718.3551	63	23	514.24285	900	335	917.755
19	7	091.59705	64	23	887.4848	1000	373	241.95
20	7	464.839	65	24	260.72675	2000	746	483.9
21	7	838.08095	66	24	633.9687	3000	1119	725.85
22	8	211.3229	67	25	007.21065	4000	1492	967.8
23	8	584.56485	68	25	380 4526	5000	1866	209.75
24	8	957.8068	69	25	753.69455	6000	2239	451.7
25	9	331.04875	70	26	126.93650	7000	2612	693.65
26	9	704.2907	71	26	500.17845	8000	2985	935.6
27	10	077.53265	72	26	873.4204	9000	3359	177.5
28	10	450.7746	73	27	246.66235	10000	3732	419.5
29	10	824.01655	74	27	619.9043	20000	7464	839.
30	11	197.2585	75	27	993.14625	30000	11197	258.5
31	11	570.50045	76	28	366.3882	40000	14929	678.
32	11	943.7424	77	28	739.63015	50000	18662	097.5
33	12	316.98435	78	29	112.8721	60000	22394	517.
34	12	690.2263	79	29	486.11405	70000	26126	936.5

*Troy or apothecaries. Gold, silver and mint weight.
Gold, Silber und Münz Gewicht.

TABLE OF COMPARISON. Kg. to Lb.*
Vergleichungs-Tabelle. Kg. zum Pf.*

1 Kg. = 2.67924 lbs. @ 12 oz.

Kg	Pounds	Kg	Pounds	Kg.	Pounds
1	2.67924	46	123.24504	91	243.81084
2	5.35848	47	125.92428	92	246.49008
3	8.03772	48	128.60352	93	249.16932
4	10 71696	49	131.28276	94	251.84856
5	13.3962	50	133.962	95	254.5278
6	16.07544	51	136.64124	96	257.20704
7	18.75468	52	139.32048	97	259.88628
8	21.43392	53	141.99972	98	262.56552
9	24.11316	54	144.67890	99	265.24476
10	26.7924	55	147.3582	100	267 924
11	29.47164	56	150.03744	200	535.848
12	32.15088	57	152.71668	300	803.772
13	34.83012	58	155.39592	400	1071.696
14	37.50936	59	158.07516	500	1339.62
15	40.1886	60	160.7544	600	1607.544
16	42.86784	61	163.43364	700	1875.468
17	45.54708	62	166.11288	800	2143.392
18	48.22632	63	168.79212	900	2411.316
19	50.90556	64	171.47136	1000	2679.24
20	53.5848	65	174.1506	2000	5358.48
21	56.26404	66	176.82984	3000	8037.72
22	58.94328	67	179.50908	4000	10716.96
23	61.62252	68	182.18832	5000	13396.2
24	64.30176	69	184.86756	6000	16075.44
25	66.981	70	187.5468	7000	18754.68
26	69 66024	71	190.22604	8000	21433.92
27	72.33948	72	192.90528	9000	24113.16
28	75.01872	73	195.58452	10000	26792.4
29	77.69796	74	198.26376	20000	53584.8
30	80.3772	75	199 943	30000	80377.2
31	83.05644	76	203.62224	40000	107169.6
32	85.73568	77	206.30148	50000	133962
33	88.41492	78	208.98072	60000	160754.4
34	91.09416	79	211.65996	70000	187546.8
35	93.7734	80	214.3392	80000	214339.2
36	96.45264	81	217.01844	90000	241131.6
37	99.13188	82	219.69768	100000	267924
38	101.81112	83	222.37692	200000	535848
39	104.49036	84	225.05616	300000	803772
40	107.1696	85	227.7354	400000	1071696
41	109.84884	86	230.41464	500000	1339620
42	112.52808	87	233.09388	600000	1607544
43	115.20732	88	235.77312	700000	1875468
44	117.88656	89	238.45236	800000	2143392
45	120.5658	90	241.1316	900000	2411316

*Troy or apothecaries. Gold, silver and mint weight
Gold, Silber und Münz Gewicht

TABLE OF COMPARISON.—Vergleichungs-Tabelle.

STATES. Staaten.	Norwegian Mile. Norwegische Meile.	Swedish Mile. Schwedische Meile.	Fr'ch (new) Myriam. Franz. (neu) Myriam.	Danish Mile. Dänische Meile.	Geogr. Germ. Mile. Geogr. deutsche Meile.	Dutch Ure. Holländische Ure.	Swiss Stunde. Schweizer Stunde.	U. S. and Eng. Geog. Mile. Ver. Staaten und Englische Seemeile.	U. S. and Eng. Mile. Ver. St. und Englische Meile.	Russian Werst. Russische Werst.	Kilometer. Kilometer.
Norwegian Mile. Norwegische Meile.	1	1.057	1.130	1.499	1.523	2.035	2.350	6.091	7.021	10.589	11.299
Swedish Mile. Schwedische Meile.	0.948	1	1.007	1.419	1.441	1.921	2.224	5.764	6.644	10.019	10.692
French new Myriameter. Französische (Neu) Myriameter.	0.903	0.935	1	1.332	1.348	1.796	2.008	5.309	6.214	9.872	10.000
Danish Mile. Dänische Meile.	0.667	0.705	0.754	1	1.016	1.354	1.567	4.062	4.682	7.078	7.536
Geographic German Mile. Geographische deutsche Meile.	0.657	0.694	0.742	0.985	1	1.333	1.543	4	4.610	6.953	7.42
Dutch Ure. Holländisches Ure.	0.493	0.520	0.557	0.738	0.75	1	1.157	3	3.458	5.215	5.565
Swiss Stunde. Schweizer Stunde.	0.425	0.449	0.481	0.638	0.648	0.864	1	2.592	2.987	4.505	4.808
U. S. and English Geographic Mile. Ver. Staaten und englische Seemeile.	0.164	0.169	0.186	0.246	0.25	0.333	0.386	1	1.153	1.738	1.855
United States and English Mile. Ver. Staaten und englische Meile.	0.142	0.151	0.161	0.213	0.217	0.289	0.335	0.868	1	1.508	1.609
Russian Werst. Russische Werst.	0.094	0.100	0.107	0.142	0.144	0.192	0.222	0.575	0.663	1	1.067
Kilometer. Kilometer.	0.088	0.094	0.10	0.133	0.135	0.180	0.208	0.540	0.621	0.937	1

1 Equator Degree = 9.85 ..... Norwegian Miles
1 " " 10.41 ..... Swedish Miles
1 " " 11.13 ..... French Miriameters
1 " " 14.77 ..... Danish Miles
1 " " 15.00 ..... Geographic Miles
1 " " 20.00 ..... Dutch Ures
1 " " 23.15 ..... Swiss Stunde
1 " " 60.00 . U. S. and English Geographic. Miles
1 " " 69.16 .... United States and English Miles
1 " " 104.3 ..... Russian Werst
1 " " 111.3 ..... Kilometer
Stadium of the Ancients = 183 Meters ..... 1-40 geograph. Mile

1. Aequator Grad = 9 ..... Norwegische Meilen
1. " " 10,41 ..... Schwedische Meilen
1. " " 11,13 ..... Französische Miriameter
1. " " 14,77 ..... Dänische Meilen
1. " " 15,00 ..... Geographische Meilen
1. " " 20,00 ..... Holländische Ure
1. " " 23,15 ..... Schweizer Stunden
1. " " 60,00 ..... Ver. Staaten und englische Seemeilen
1. " " 69,16 ..... Ver. Staaten und englische Meilen
1. " " 104,3 ..... Russische Werst
1. " " 111,3 ..... Kilometer
Statium der Alten = 183 Meter ..... 1-40 geographische Meile

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